

COMPOSITIONS FOR COATINGS BASED ON (PER)FLUOROPOLYETHERS

ABSTRACT

Compositions for coatings having a dry content higher than 80%, preferably of about 85-90% by weight, based on polyisocyanates and PFPEs, completely crosslinkable also in a range of temperatures between 5°C and 20°C, comprising the following components:

- Component 1): mixture comprising:
 - 1.a) Partially fluorinated prepolymers, having free NCO groups, obtained by reaction of (per)fluoropolyethers (PFPEs) diols having number average molecular weight M_n in the range 800-1,300 with the cyclic trimer of the isophorondiisocyanate,
 - 1.b) non cyclic isocyanic trimer of hexamethylenediisocyanate,
- Component 2): (per)fluoropolyether (PFPE) diol with M_n in the range 350-700, preferably 500-650,
- component 3): inert organic solvent in crosslinking conditions, complement to 100% by weight of the composition.